



Fig. 1

Drawing Sheet 1 of 3

Title: REUSABLE SOFTWARE CONTROLS
 Inventor(s): Kyle Marvin et al.
 Application No.: Not Yet Assigned
 Docket No.: BEAS-01354USO
 Filing date: Filed Herewith

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```

package hello;

import com.bea.control.ControlContext;
import com.bea.control.ControlException;

/**
 * Control methods are operations, just as with the methods of a
 * web service.
 *
 * @common:operation
 */
public String sayHello()
{
    String response = null;
    String greetingStyle =
        context.getAttribute(TAG_DEMEANOR, ATTR_GREETING_STYLE);

    /**
     * Return a greeting depending on the value the developer set in
     * the greetingStyle property attribute.
     */
    try {
        if (greetingStyle.equals("Cordial")) {
            response = "Hi! Nice weather we're having, eh?";
        }
        else if (greetingStyle.equals("Professional")) {
            response = "Hi! Great job on that presentation!";
        }
    }

    /**
     * Throw a ControlException
     */
    } catch (Exception e) {
        throw new ControlException("There was an error greeting
        users!", e);
    }

    return response;
}

}

/**
 * The ControlContext interface provides access to aspects
 * of a control's container, including the properties stored
 * for the control.
 *
 * @common:context
 */
ControlContext context;

```

Fig. 2

Drawing Sheet 3 of 3

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```
<control-tags xmlns="http://www.bea.com/2003/03/controls/">
  <control-tag name="demeanor">
    <description>Defines the style of greeting this control returns.</description>
    <attribute name="greetingStyle" required="false">
      <description>Defines the style of greeting this control returns.</description>
    </type>
    <enumeration>
      <value>Cordial</value>
      <value>Familiar</value>
      <value>Professional</value>
    </enumeration>
  </type>
  <default-value>Cordial</default-value>
</attribute>
</control-tag>
</control-tags>
```

Fig. 3